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<!-- Schema for XML Signatures
    http://www.w3.org/2000/09/xmldsig#
    $Revision: 1.1 $ on $Date: 2002/02/08 20:32:26 $ by $Author: reagle $
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    This document is governed by the W3C Software License [1] as described
    in the FAQ [2].
    [1] http://www.w3.org/Consortium/Legal/copyright-software-19980720
    [2] http://www.w3.org/Consortium/Legal/IPR-FAQ-20000620.html#DTD
<schema xmlns="http://www.w3.org/2001/XMLSchema"</pre>
xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
targetNamespace="http://www.w3.org/2000/09/xmldsig#" version="0.1"
elementFormDefault="qualified">
 <!-- Basic Types Defined for Signatures -->
 <simpleType name="CryptoBinary">
   <restriction base="base64Binary"> </restriction>
 </simpleType>
 <!-- Start Signature -->
 <element name="Signature" type="ds:SignatureType"/>
 <complexType name="SignatureType">
   <sequence>
     <element ref="ds:SignedInfo"/>
     <element ref="ds:SignatureValue"/>
     <element ref="ds:KeyInfo" min0ccurs="0"/>
     <element ref="ds:Object" minOccurs="0" maxOccurs="unbounded"/>
   </sequence>
   <attribute name="Id" type="ID" use="optional"/>
 </complexType>
 <element name="SignatureValue" type="ds:SignatureValueType"/>
 <complexType name="SignatureValueType">
   <simpleContent>
     <extension base="base64Binary">
      <attribute name="Id" type="ID" use="optional"/>
     </extension>
   </simpleContent>
 </complexType>
 <!-- Start SignedInfo -->
 <element name="SignedInfo" type="ds:SignedInfoType"/>
 <complexType name="SignedInfoType">
   <sequence>
     <element ref="ds:CanonicalizationMethod"/>
     <element ref="ds:SignatureMethod"/>
     <element ref="ds:Reference" max0ccurs="unbounded"/>
   </sequence>
   <attribute name="Id" type="ID" use="optional"/>
 </complexType>
 <element name="CanonicalizationMethod" type="ds:CanonicalizationMethodType"/>
 <complexType name="CanonicalizationMethodType" mixed="true">
     <any namespace="##any" min0ccurs="0" max0ccurs="unbounded"/>
     <!-- (0,unbounded) elements from (1,1) namespace
   </sequence>
   <attribute name="Algorithm" type="anyURI" use="required"/>
 </complexType>
 <element name="SignatureMethod" type="ds:SignatureMethodType"/>
 <complexType name="SignatureMethodType" mixed="true">
   <sequence>
     <element name="HMACOutputLength" minOccurs="0" type="ds:HMACOutputLengthType"/>
     <anv namespace="##other" min0ccurs="0" max0ccurs="unbounded"/>
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<!-- (0,unbounded) elements from (1,1) external namespace -->
 </sequence>
 <attribute name="Algorithm" type="anyURI" use="required"/>
</complexType>
<!-- Start Reference -->
<element name="Reference" type="ds:ReferenceType"/>
<complexType name="ReferenceType">
 <sequence>
   <element ref="ds:Transforms" min0ccurs="0"/>
   <element ref="ds:DigestMethod"/>
   <element ref="ds:DigestValue"/>
 </sequence>
 <attribute name="Id" type="ID" use="optional"/>
 <attribute name="URI" type="anyURI" use="optional"/>
 <attribute name="Type" type="anyURI" use="optional"/>
</complexTvpe>
<element name="Transforms" type="ds:TransformsType"/>
<complexType name="TransformsType">
 <sequence>
   <element ref="ds:Transform" max0ccurs="unbounded"/>
 </sequence>
</complexType>
<element name="Transform" type="ds:TransformType"/>
<complexType name="TransformType" mixed="true">
 <choice minOccurs="0" maxOccurs="unbounded">
   <any namespace="##other" processContents="lax"/>
   <!-- (1,1) elements from (0,unbounded) namespaces -->
   <element name="XPath" type="string"/>
 </choice>
 <attribute name="Algorithm" type="anyURI" use="required"/>
</complexType>
<!-- End Reference -->
<element name="DigestMethod" type="ds:DigestMethodType"/>
<complexType name="DigestMethodType" mixed="true">
   <any namespace="##other" processContents="lax" min0ccurs="0" max0ccurs="unbounded"/>
 </sequence>
 <attribute name="Algorithm" type="anyURI" use="required"/>
</complexType>
<element name="DigestValue" type="ds:DigestValueType"/>
<simpleType name="DigestValueType">
 <restriction base="base64Binary"/>
</simpleType>
<!-- End SignedInfo -->
<!-- Start KeyInfo -->
<element name="KeyInfo" type="ds:KeyInfoType"/>
<complexType name="KeyInfoType" mixed="true">
 <choice maxOccurs="unbounded">
   <element ref="ds:KeyName"/>
   <element ref="ds:KeyValue"/>
   <element ref="ds:RetrievalMethod"/>
   <element ref="ds:X509Data"/>
   <element ref="ds:PGPData"/>
   <element ref="ds:SPKIData"/>
   <element ref="ds:MgmtData"/>
   <any processContents="lax" namespace="##other"/>
   <!-- (1,1) elements from (0,unbounded) namespaces -->
 </choice>
 <attribute name="Id" type="ID" use="optional"/>
</complexType>
<element name="KeyName" type="string"/>
<element name="MgmtData" type="string"/>
<element name="KeyValue" type="ds:KeyValueType"/>
<complexType name="KeyValueType" mixed="true">
   <element ref="ds:DSAKeyValue"/>
   <element ref="ds:RSAKeyValue"/>
   <any namespace="##other" processContents="lax"/>
 </choice>
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</complexType>
<element name="RetrievalMethod" type="ds:RetrievalMethodType"/>
<complexType name="RetrievalMethodType">
 <sequence>
   <element ref="ds:Transforms" min0ccurs="0"/>
 </sequence>
 <attribute name="URI" type="anyURI"/>
 <attribute name="Type" type="anyURI" use="optional"/>
</complexType>
<!-- Start X509Data -->
<element name="X509Data" type="ds:X509DataType"/>
<complexType name="X509DataType">
 <sequence max0ccurs="unbounded">
   <choice>
     <element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/>
     <element name="X509SKI" type="base64Binary"/>
     <element name="X509SubjectName" type="string"/>
     <element name="X509Certificate" type="base64Binary"/>
     <element name="X509CRL" type="base64Binary"/>
     <any namespace="##other" processContents="lax"/>
   </choice>
 </sequence>
</complexType>
<complexType name="X509IssuerSerialType">
 <sequence>
   <element name="X509IssuerName" type="string"/>
   <element name="X509SerialNumber" type="integer"/>
 </sequence>
</complexType>
<!-- End X509Data -->
<!-- Begin PGPData -->
<element name="PGPData" type="ds:PGPDataType"/>
<complexType name="PGPDataType">
 <choice>
   <sequence>
     <element name="PGPKeyID" type="base64Binary"/>
     <element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/>
     <any namespace="##other" processContents="lax" min0ccurs="0"</pre>
    max0ccurs="unbounded"/>
   </sequence>
   <sequence>
     <element name="PGPKeyPacket" type="base64Binary"/>
     <any namespace="##other" processContents="lax" min0ccurs="0"</pre>
    max0ccurs="unbounded"/>
   </sequence>
 </choice>
</complexType>
<!-- End PGPData -->
<!-- Begin SPKIData -->
<element name="SPKIData" type="ds:SPKIDataType"/>
<complexType name="SPKIDataType">
 <sequence max0ccurs="unbounded">
   <element name="SPKISexp" type="base64Binary"/>
   <any namespace="##other" processContents="lax" min0ccurs="0"/>
 </sequence>
</complexType>
<!-- End SPKIData -->
<!-- End KeyInfo -->
<!-- Start Object (Manifest, SignatureProperty) -->
<element name="Object" type="ds:ObjectType"/>
<complexType name="ObjectType" mixed="true">
 <sequence min0ccurs="0" max0ccurs="unbounded">
   <any namespace="##any" processContents="lax"/>
 </sequence>
 <attribute name="Id" type="ID" use="optional"/>
 <attribute name="MimeType" type="string" use="optional"/>
 <!-- add a grep facet -->
 <attribute name="Encoding" type="anyURI" use="optional"/>
</complexType>
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<element name="Manifest" type="ds:ManifestType"/>
 <complexType name="ManifestType">
   <sequence>
     <element ref="ds:Reference" max0ccurs="unbounded"/>
   </sequence>
   <attribute name="Id" type="ID" use="optional"/>
 </complexType>
 <element name="SignatureProperties" type="ds:SignaturePropertiesType"/>
 <complexType name="SignaturePropertiesType">
   <sequence>
     <element ref="ds:SignatureProperty" maxOccurs="unbounded"/>
   </sequence>
   <attribute name="Id" type="ID" use="optional"/>
 </complexTvpe>
 <element name="SignatureProperty" type="ds:SignaturePropertyType"/>
 <complexType name="SignaturePropertyType" mixed="true">
   <choice maxOccurs="unbounded">
     <any namespace="##other" processContents="lax"/>
     <!-- (1,1) elements from (1,unbounded) namespaces
   </choice>
   <attribute name="Target" type="anyURI" use="required"/>
   <attribute name="Id" type="ID" use="optional"/>
 </complexType>
 <!-- End Object (Manifest, SignatureProperty) --> <!-- Start Algorithm Parameters -->
 <simpleType name="HMACOutputLengthType">
   <restriction base="integer"/>
 </simpleType>
 <!-- Start KeyValue Element-types -->
 <element name="DSAKeyValue" type="ds:DSAKeyValueType"/>
 <complexType name="DSAKeyValueType">
   <sequence>
     <sequence min0ccurs="0">
      <element name="P" type="ds:CryptoBinary"/>
      <element name="Q" type="ds:CryptoBinary"/>
     </sequence>
     <element name="G" type="ds:CryptoBinary" min0ccurs="0"/>
     <element name="Y" type="ds:CryptoBinary"/>
     <element name="J" type="ds:CryptoBinary" minOccurs="0"/>
    <sequence min0ccurs="0">
      <element name="Seed" type="ds:CryptoBinary"/>
      <element name="PgenCounter" type="ds:CryptoBinary"/>
    </sequence>
   </sequence>
 </complexType>
 <element name="RSAKeyValue" type="ds:RSAKeyValueType"/>
 <complexType name="RSAKeyValueType">
   <sequence>
     <element name="Modulus" type="ds:CryptoBinary"/>
     <element name="Exponent" type="ds:CryptoBinary"/>
   </sequence>
 </complexType>
 <!-- End KeyValue Element-types -->
 <!-- End Signature -->
</schema>
```